

## WORKSHOP PROGRAMME

Day 1 – November 6, 2014

Registration Desk. Venue: Amfiteatrul "George Valsan", Faculty of Geography

8:00 - 9:00

Opening Ceremony

9:00 - 10:00

Keynote lectures, 10:00 - 11:40

Moderators: Daniel VERES and Marcel MINDRESCU

No	Time	Author/Authors and Title
1	10:00 - 10:25	<i>FEURDEAN Angelica</i> Vegetation, climate and fire: new insight from palaeoecological records from the Romania
2	10:25 - 10:50	<i>HOUT Sebastien</i> <i>*Université du Québec à Montréal, Department of Earth and Atmospheric Sciences, Montreal, Canada</i> Broadening the choice in luminescence dating of sediments: the case of Na-feldspar
3	10:50 - 11:15	<i>LEHMKUHL Frank, ZEEDEN Christian, BÖSKEN Janina, ECKMEIER Eileen, HAMBACH Ulrich, HAUCK Thomas, KLASEN Nicole, MARKOVIĆ Slobodan, OBREHT Igor, SCHULTE Philipp, SÜMEGI Pal, VERES Daniel and ZANDER Anja</i> Climatological and environmental change as derived from physical and geochemical loess sediment properties: Examples of last glacial loess sites from the Pannonian Basin
4	11:15 - 11:40	<i>MAGYARI Enikő K., VERES Daniel, WENNRISH V., WAGNER B., BRAUN M., JAKAB G., KARÁTON D., PÁL Z., FERENCZY Gy., ST-ONGE Guillaume, RETHEMEYER J., FRANCOIS J-P., von REUMONT F. and SCHÄBITZ Frank</i> Vegetation response to climate forcing during the last glacial maximum and deglaciation in the East Carpathians: attenuated response to maximum cooling and increased biomass burning

Coffee Break, 11:40 - 12:10

Presentations. Part 1, 12:10 - 13:30

Moderator: Zoltan KERN

5	12:10 - 12:30	<i>RUSZKICZAY-RÜDIGER Zsófia, KERN Zoltán, URDEA Petru, BRAUCHER Régis and SCHIMMELPFENNIG Irene</i> (Un) Resolved contradictions in the Late Pleistocene glacial chronology of the Southern Carpathians - new samples and recalculated cosmogenic radionuclide age estimates
6	12:30 - 12:50	<i>MARKOVIĆ Slobodan B., TIMAR-GABOR Alida, STEVENS Thomas, HAMBACH Ulrich, LEHMKUHL Frank, OBREHT Igor, ZEEDEN Christian, VERES Daniel and GAVRILOV Milivoj B.</i> When Holocene soil formation starts on the loess plateaus of the Vojvodina region in Northern Serbia?

7	12:50 - 13:10	<u>STAUBWASSER Michael</u> , <u>DRĂGUȘIN Virgil</u> , <u>ASSONOV Sergey</u> , <u>HOFFMANN Dirk L.</u> , <u>ERSEK Vasile</u> , <u>ONAC Bogdan P.</u> and <u>VERES Daniel</u> A speleothem perspective on millennial-scale climate change in south-eastern Europe during the last glacial
8	13:10 - 13:30	<u>HAMBACH Ulrich</u> , <u>ZEEDEN Christian</u> , <u>VERES Daniel</u> , <u>OBREHT Igor</u> , <u>MARKOVIĆ Slobodan B.</u> , <u>ECKMEIER Eileen</u> , <u>FISCHER Peter</u> and <u>LEHMKUHL Frank</u> Towards mineral magnetic based millennial time scales in Late Pleistocene Danubian Loess-Palaeosol Sequences
<b>Lunch, , 13:30 - 15:00</b>		
<b>Presentations. Part 2, 15:00 - 16:40</b>		
<b>Moderator: Ulrich HAMBACH</b>		
9	15:00 - 15:20	<u>NÉMETH Alexandra</u> , <u>MINDRESCU Marcel</u> , <u>GRĂDINARU Ionela</u> , <u>BIHARI Á.</u> , <u>FEKETE Jozsef</u> and <u>KERN Zoltan</u> 550 years in sedimentological record from a varved type lake (Bolătău, Bukovina, NE Romania) - changing storm frequency and climate fluctuation
10	15:20 - 15:40	<u>FLORESCU Gabriela</u> , <u>FEURDEAN Angelica</u> , <u>HUTCHINSON Simon M.</u> , <u>MINDRESCU Marcel</u> and <u>KERN Zoltan</u> 1000 years of high resolution environmental change in the Eastern Carpathians, NE Romania: a multi-proxy approach
11	15:40 - 16:00	<u>ZEEDEN Christian</u> , <u>HAMBACH Ulrich</u> , <u>MARKOVIC Slobodan</u> , <u>OBREHT Igor</u> and <u>LEHMKUHL Frank</u> Towards modelling of loess-paleosol sequence formation
12	16:00 - 16:20	<u>HOLOBĂCĂ Iulian Horia</u> , <u>POP Olimpiu</u> and <u>PETREA Danut</u> Dendroclimatic reconstruction of summer temperatures in Irik Valley, Mount Elbrus (Greater Caucasus)
13	16:20 - 16:40	<u>HOTEA Mihai</u> , <u>HODOR Nicolaie</u> , <u>IRIMUȘ Ioan-Aurel</u> and <u>POP Olimpiu</u> Tree-ring records of the historic pollution along Novăț river, Maramureș Mountains (Romania)
<b>Coffee break, 16:40 – 17:10</b>		
<b>Presentations. Part 3, 17:10-19:10</b>		
<b>Moderator: Slobodan MARKOVIĆ</b>		
14	17:10 - 17:30	<u>DIANA Annamaria</u> Contributions of Human Osteo-archaeology to the reconstruction of climatic shifts in medieval Romania
15	17:30 - 17:50	<u>CRISTEA Ionuț Alexandru</u> and <u>CRISTEA Cristina</u> Reconstruction of the Late Holocene river channel shifts in the North-Eastern part of the Lower Danube Plain based on historical data
16	17:50 - 18:10	<u>PUSCAȘ Cristina Montana</u> , <u>STREMȚAN Cristian C.</u> and <u>ONAC Bogdan. P.</u> Historic gold mining in the Apuseni Mountains recorded in stalagmite geochemistry
17	18:10 - 18:30	<u>IGNÉCZI Ádám</u> and <u>NAGY Balázs</u> A Late Pleistocene ice field in the Godeanu Mountains, Southern Carpathians (Romania)

18	18:30 - 18:50	<u>GACHEV Emil</u> , <u>STOYANOV Krasimir</u> and <u>GIKOV Alexander</u> Embryonic glaciers on the Balkan peninsula: state and changes in the last several years
19	18:50 - 19:10	<u>MESEȘAN Flaviu</u> , <u>GAVRILĂ Ionela-Georgiana</u> , <u>TALPOȘ Raluca</u> , <u>HOLOBĂCĂ Iulian Horia</u> and <u>POP Olimpiu</u> Snow avalanche history in Parâng Mountains (Southern Carpathians) revealed by dendrogeomorphic analyses
<b>Dinner, Restaurant Hașdeu, 19:30</b>		
<b>Day 2 – November 7, 2014. Location: Amfiteatrul "George Valsan"</b>		
<b>Presentations. Part 4, 8:40 - 11:00</b>		
<b>Moderator: Petru URDEA</b>		
20	8:40 - 9:00	<u>FILIPOVA-MARINOVA Mariana</u> , <u>PAVLOV Danail</u> , <u>SLAVCHEV Vladimir</u> and <u>GIOSAN Liviu</u> Palaeoecology and geoarchaeology of the Varna Lake, northern Bulgarian Black Sea coast
21	9:00 - 9:20	<u>VERES Daniel</u> , <u>MAGYARI Enikő</u> , <u>ST-ONGE Guillaume</u> , <u>WENNRICH Volker</u> , <u>BRAUN Mihaly</u> , <u>KARATSON David</u> , <u>BORMANN Marc</u> and <u>SCHÄBITZ Frank</u> A high-resolution Early Holocene-late MIS 3 environmental rock- and palaeomagnetic record from Lake Sf. Ana, Carpathian Mts, Romania
22	9:20 - 9:40	<u>TIMAR-GABOR Alida</u> <i>*Department of Environmental Analysis and Engineering, Faculty of Environmental Science and Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania</i> Optically stimulated luminescence dating using quartz, the universal dosimeter
23	9:40 - 10:00	<u>GERASIMENKO Nataliia</u> , <u>RIDUSH Bogdan</u> and <u>KORZUN Juliia</u> Pollen and lithological data from the Bukovynka Cave deposits as recorders of the Late Pleistocene and Holocene climatic change in the eastern foothills of the Carpathian Mountains (Ukraine)
24	10:00 - 10:20	<u>ANSELMETTI Flavio S.</u> , <u>WIRTH Stefanie B.</u> , <u>GLUR Lukas</u> and <u>GILLI Adrian</u> Holocene flood frequency as reconstructed by lake sediments from multiple archives: A record influenced by solar forcing and atmospheric circulation patterns
25	10:20 - 10:40	<u>GEANTĂ Anca</u> , <u>GAŁKA Mariusz</u> , <u>TANȚĂU Ioan</u> , <u>HUTCHINSON Simon M.</u> , <u>MÎNDRESCU Marcel</u> and <u>FEURDEAN Angelica</u> Alpine treeline and timberline dynamics during the Holocene in the Northern Romanian Carpathians
26	10:40 - 11:00	<u>CONSTANTIN Daniela</u> , <u>CAMENIȚĂ Andrada</u> , <u>PANAİOTU Cristian</u> , <u>NECULA Cristian</u> , <u>CODREA Vlad</u> and <u>TIMAR-GABOR Alida</u> SAR-OSL dating of Late Pleistocene loess in Southern Romania using fine and coarse-quartz
<b>Coffee break, 11:00 - 11:30</b>		

<b>Presentations. Part 5, 11:30 - 13:30</b>		
<b>Moderator: Angelica FEURDEAN</b>		
		<i>NURKOVIĆ Rahman</i>
27	11:30 - 11:50	The influence of negative climate changes of physical development of urban and rural areas in Bosnia Herzegovina
		<i>Haidu Ionel</i>
28	11:50 - 12:10	A stochastic vision of the paleoclimate modelling and predictability
		<i>CROITORU Adina-Eliza, PITICAR Adrian and BURADA Doina Cristina</i>
29	12:10 - 12:30	Recent changes in precipitation extremes in Romania
		<i>KYNAL Olga and KHOLIAVCHUK Dariia</i>
30	12:30 - 12:50	Trends of climate change in the Ukrainian Carpathians during last 130 years
		<i>MIHĂILĂ Dumitru, BISTRICEAN Petruț-Ionel and LAZURCĂ Liliana Gina</i>
31	12:50 - 13:10	Land surface water balance east of Romanian Carpathians
		<i>PÎRNĂU Radu Gabriel, PATRICHE Cristian-Valeriu, ROȘCA Bogdan and BODI George</i>
32	13:10 - 13:30	Assessing anthropogenic impact on soil genesis through archaeological data
<b>Lunch, Restaurant UBB, 13:30 - 15:00</b>		
<b>Presentations. Part 6, 15:00 - 16:40</b>		
<b>Moderator: Enikő MAGYARI</b>		
		<i>ÁRVAI Mátyás, POPA Ionel, MINDRESCU Marcel, NAGY Balázs and KERN Zoltán</i>
33	15:00 - 15:20	Dendrochronological assessment and radiocarbon dating of subfossil coniferous macroremains excavated from a peat bog, Maramures Mts, Romania
		<i>VESPREMEANU-STROE Alfred, PREOTEASA Luminița, TĂTUI Florin, TIMAR-GABOR Alida and CÂRDAN Ionela</i>
34	15:20 - 15:40	The cyclic development of Sf. Gheorghe (Danube) asymmetric deltaic lobe and present adaptations to man-induced sediment depletion and climate variability
		<i>POPESCU Răzvan, VESPREMEANU-STROE Alfred, CRUCERU Nicolae and POP Olimpiu</i>
35	15:40 - 16:00	Permafrost response to the post Little Ice Age climate variability in the Romanian Carpathians
		<i>LEŚNIOK Mieczysław and ZIMNOL Jan</i>
36	16:00 - 16:20	The atmospheric pollution in the area of the Goczałkowice Reservoir changes based on wet and dry deposition
		<i>ÚJVÁRI Gábor, KOVÁCS János, VARGA György, MOLNÁR Mihály and NOVOTHNY Ágnes</i>
37	16:20 - 16:40	Late Pleistocene millennial scale cycles of aeolian sedimentation in the Dunaszekcső loess record, south Hungary: preliminary data and interpretations
<b>Coffee break, 16:40 - 17:10</b>		

**Presentations. Part 7, 17:10 - 18:30****Moderator: Alfred VESPREMEANU-STROE**

38	17:10 - 17:30	<i><u>HALIUC Aritina</u>, HUTCHINSON Simon, FLORESCU Gabriela and FEURDEAN Angelica</i> The effect of past fire activity on soil erosional processes in two subalpine sediment records from Rodna Mountains, Northern Romanian Carpathians
39	17:30 - 17:50	<i><u>VINCZE Ildiko</u>, ORBÁN Ildiko, MARINOVA Elena, JAKAB Gusztav, BIRKS Hilary H., FINSINGER Walter and MAGYARI Enikő K.</i> Drivers of Holocene treeline and timberline changes in the Retezat Mountains (South Carpathians, Romania)
40	17:50 - 18:10	<i><u>POCIASK-KARTECZKA Joanna</u>, GAJDA Agnieszka and FRAN CZAK Paweł</i> Regional distribution and relevance in paleoenvironmental studies of lakes in the Tatra Mts. (Western Carpathians)
41	18:10 - 18:30	<i><u>PÁL Ilong</u>, MAGYARI Enikő, BUCZKÓ Krisztina, BRAUN Mihály, PÁLFY József, MOLNÁR Mihály and FINSINGER Walter</i> The impact of the 8.2 ka rapid climate change event on the vegetation and lake ecosystem of the South Carpathian Mountains, Romania
42	18.30 - 18.50	<i>VICZIÁN István</i> Archaeological sites on large river's islands as records of Holocene climate and fluvial changes. A geomorphological case study in the Danube river section between Komárom and Paks, Hungary

**Poster Session, during Coffee Breaks**

1		<i>BONDAR Kseniia, RIDUSH Bogdan, MATVIISHYNA Zhanna and STEPANCHUK Vadim</i> Rockmagnetic correlation between Holocene cave sediments at the mountain and loess soil deposits in Piedmont Crimea (on example of the trap cave Emine-Bair-Khosar and archaeological site Biyuk-Karasu-XIX)
2		<i>BÖSKEN Janina, OBREHT Igor, ZEEDEN Christian, KLASSEN Nicole, SÜMEGI Pál, MARKOVIC Slobodan and LEHMKUHL Frank</i> Environmental conditions on the corridor of human migration between 40,000 and 14,000 a BP in the Balkan region. A multi-proxy approach on loess-paleosol profiles
3		<i>BUDUI Vasile and PERȘOIU Ioana</i> Recognition and interpretation of paleosols sequences in a floodplain from the low tableland of Transylvania Depression, Romania
4		<i>CROITORU Adina-Eliza, DRIGNEI Dorin, IMECS Zoltan and BURADA Doina Cristina</i> Trends of Summer air temperatures in the Romanian Carpathians detected by using a serially correlated errors model
5		<i>DMYTRUK Yurij, GERASYMENKO Nataliia and LIASHYK T.</i> Late Holocene soil and vegetational changes in the foothills of the SE Carpathians (Ukraine), based on the study of pedochronocatenas
6		<i>NÁFRÁDI Katalin, BARNA Judit P. and SÜMEGI Pál</i> Geoarchaeological investigations at Sormás-Török-földek, in Southwestern Transdanubia, Hungary

7	<i>HOLOBĂCĂ Iulian Horia, POP Olimpiu, ION Marinică and PETREA Dan</i> Dendroclimatic reconstruction of summer temperatures in Southern Carpathians, Romania
8	<i>NECHITA Constantin, RĂDOANE Maria, CHIRILOAEI Francisca, RĂDOANE Nicolae, POPA Ionel, ROIBU Catalin and ROBU Delia</i> Subfossil oaks from alluvial deposits and their role in past fluvial activities analysis: case study East Carpathians rivers, Romania
9	<i>NÉMETH Alexandra, HATVANI István Gábor, GULYÁS Margit Horoszné and KERN Zoltán</i> Proxy records of annual/decadal temperature- and hydroclimate variability from the Carpathian-Balkan Region for the past two millennia, a literature review
10	<i>NYKAMP Moritz, HEEB Bernhard, HOELZMANN Philipp, SCHÜTT Brigitta and SZENTMIKLOSI Alexandru</i> Preliminary results on sediment and settlement dynamics in the environs of the fortification enclosure Cornești-Iarcuri, western Romania
11	<i>OPREA Dinu and BUTA Georgiana</i> Research on morphological characteristics of endokarst in Rarau Massif. Premises for local palaeoclimatic records
12	<i>PLESIŃSKI Karol and RADECKI-PAWLIK Artur</i> Changes of the hydrodynamic conditions in the braided river
13	<i>POPIUK Yana</i> Paleoenvironmental Malakofaunistic Records of Late Pleniglacial on the Upper Paleolithic Site Doroshivtsi 3 (the Middle Dniester Basin)
14	<i>ROBU Delia-Elena, NIGA Ionuț-Bogdan, PERȘOIU Ioana and RĂDOANE Maria</i> New data concerning the Late Quaternary drainage evolution on the Someș River alluvial fan
15	<i>SCHULTE Philipp, LEHMKUHL Frank, KELS Holger and KLASSEN Nicole</i> Environmental change indicated by a site-specific grain size ratio - the example of the Semailac loess-paleosol sequence (Romania)
16	<i>SCHUMACHER Martin, SCHIER Wolfram and SCHÜTT Brigitta</i> Human impact on Mid-Holocene vegetation and landscape development in the Carpathian region using a fuzzy approach
17	<i>TANOS Péter, HATVANI István Gábor, KOVÁCS Solt, ANDA Angéla and KOVÁCS József</i> Seasonal behavior in the water quality of the River Tisza around the turn of the 21 <sup>st</sup> Century
18	<i>VERES Daniel, SAVARINO Joël, JOURDAIN Bruno, ONAC Bogdan P., FORRAY Ferenc, MOLNAR Mihaly, BEGY Robert and GINOT Patrick</i> Assessing the suitability of Scarisoara cave ice for glaciochemical research: a coupled chemical and water isotopic approach
19	<i>VERES Daniel, HUTCHINSON Simon M., HALIUC Aritina, FRANTIUC Alexandru and FEURDEAN Angelica</i> Rapid shifts in environmental conditions inferred from geochemical analyses of Lake Știucii lacustrine record, Transylvanian Lowlands, Romania
20	<i>ZAMOSTEANU Andrei, CRISTEA Ionuț A. and MÎNDRESCU Marcel</i> Electrical resistivity tomography (ERT) surveys on glacial deposits in Romanian Carpathians

**Closing session. 18.50 - 19.45**

**Festive Dinner, 20:00. Restaurant Hașdeu**

**Days 3 and 4, November 8-9: Field trip in Apuseni Mts (Roşia Montană-Scărişoara cave-Urşilor cave-Cetăţile Ponorului)**

***Coordinators: Marcel MINDRESCU, Daniel VERES, Liviu BUZILĂ, Oana MOLDOVAN and Silviu CONSTANTIN***

**Field Excursion** to the formerly glaciated alpine ranges of the Northern Romanian Carpathians as well as to several large peat-bog accumulations and wetland ecosystems. Visits to several UNESCO monuments are also planned.